atran FM2-DP ID#9 Performance Certificate

11-11-1994		STAN	DARD CALIBI	SPECIAL CALIBRATION				
MODEL	374	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
SERIAL NO.	210201	% FSPR	RUN 1	RUN 2		RUN 1	RUN 2	
REFERENCE	3745AM5AX990	A °	3.996					
INPUT	24 VDC	N 20 C				····		
OUTPUT	4-20 mA	R 40 E A S 60					******	
FSPR	0-100 PSID							
ULL SCALE PR	RESSURE RANGE	N 80 G						
WIRING CONNECTIONS + INPUT		100	20.003					
	- INPUT + OUTPUT	D 80 E						
	- OUTPUT	C 60						
PIN A	B -PWR./SIG.	E A 40 S						
PIN C	CALIBRATE	I 20						
PINS	E+F NO CONN.	G 0	3.994					

PIELD CALIBRATION PRESSURE= 79.95877 PSI D

CALIBRATION CIRCUIT

An advantage of Viatran strain gage pressure sensors is that the gain or span of the readout system can be set without applying a known pressure input. The system setup can be accomplished by using a calibrate circuit as explained below

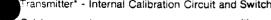
INTERNAL CIRCUIT

Most sensor models are supplied with an internal shunt calibrate circuit either as a standard or by special order. If this sensor has the circuit included, it will be noted below. Simply shorting the proper pins will produce the calibration output signal listed.

EXTERNAL CIRCUIT

if the sensor does not include the calibration circuit, the same type calibration tan be accomplished by connecting a resistor of the value indicated across the proper pins. This technique is accurate for cable lengths of up to 200 ft.

X	Fransducer - In	ternal Calibra	tion					
	Shorting pinsC		&	D	will produce			
	^a 16.793	mA			calibration output signal.			
	_ Transducer - External Calibration							
	Connecting				ohms across			
	pins	&			will produce			
	a				calibration output signal.			
_								
	Transmitter* - I	nternal Calibr	atio	n C	ircuit and Switch			



Cal 1 represents

with a reading

of

Cal 2 represents

with a reading

NOTE: All calibrations should be performed only after the transducer has been adjusted for zero at zero pressure.

WARRANTY

WARRAIVI I

Viatran Corporation warrants that its products shall be free from defective part and workmanship for a period of twelve (12) months from date of original shipment provided that Viatran's obligation hereunder shall be limited to correcting an defective workmanship and/or replacing any defective material F.O.B. destination.

A repair is warranted ninety (90) days from repair date under conditions of original warranty period unless superseded by original warranty period. If inspection by the Company of such product does not disclose any defect of workmanship or material, the Company's regular charges will apply. This warranty carries no liability, either expressed or implied, beyond our obligation to replace the unit which carries the warranty. This warranty is in lieu of all other warranties of merchantability or fitness. No allowance will be made for any expense incurred for correcting any defection. No allowance will be made for any expense incurred for correcting any defective workmanship and/or material without written consent by Viatran. Unit must shipped to the Company, transportation prepaid, and return authorization number must be referenced on the package to assure acceptance at our shipping dock. Price specifications and decisions subject to change without notice.

The Company shall not be liable for and the Purchaser assumes and agrees to demnify and save harmless the Company in respect to any loss or damage that mearise through the use by the Purchaser, or others, of any of the Company's product. This warranty is void if the product is subjected to misuse, accident, neglect improper application, installation or operation. This warranty is void if prior defects materials or workmanship repairs are made by anyone except Viatran or its authorization of the company's product agrees.

service agency.

REPAIR

Most Viatran sensors have been designed to be easily repaired and recalibrated necessary. If a failure occurs, the sensor should be returned to the factory for inspectic and testing. If the sensor failure is covered by our one year warranty policy, the unit w be repaired as necessary and reshipped without delay. Sensors usually not covered warranty can be repaired within four to six weeks for approximately thirty to sixty pe cent of the purchase price. Simple repairs can often be made for minimum charge. Units should be returned to the attention of the Repair Department, after obtaining return authorization number from the customer service desk at (716) 773-1700.

QUALITY ASSURANCE



